

a removable breast board in order that animals may be loaded into and removed from the stalls and pens. All stalls and pens shall be provided with foot boards of not less than 2" x 10" lumber securely nailed or bolted to the stanchions. At the discretion of the inspector, small ponies, asses, small mules, mares with foal at foot, young unbroken horses or gentle horses of any size may be stowed loose in pens. In these cases, a sufficient number of finished 2" x 10" lumber shall be placed between the breast and foot boards to effectively contain the animals.

(2) *Cattle*. All stalls and pens for cattle shall be provided with boards as required for horses in paragraph (a), except that the front or breast boards shall be constructed in sets of three or more boards of 2" x 10" dressed lumber separated by 3 inch spacers and placed on the foot board so that the front of the pen extends 48 inches or more in height from the floor. One or more of the breast boards may be left off if feed or water troughs are to be mounted externally.

(3) *Sheep, goats, and swine*. Front boards in pens for sheep, goats, and swine shall be of not less than 1" x 6" pieces of lumber approximately spaced and extending to the proper height for these species of animals. Provision shall be made for removing a section of front boards to allow entry of animals into pens or removal therefrom and for feeding or watering.

(i)(1) *Horses and cattle*. Rump boards in pens for horses or cattle shall form a solid wall at least 4 feet high for cattle and 4 feet 6 inches high for horses and shall be of lumber not less than 1½ inches thick if tongued and grooved or 2 inches thick if square edged or of plywood of the same strength. Where the deck is clear of obstructions, rump boards may be set on the inside of the rail stanchions. When this is not possible, sections so affected may be brought forward to clear such obstructions and shall be fastened by stanchions provided for this purpose. On lower decks where the ship's construction so justifies, rump boards may be affixed to 2" x 6" wooden pieces set the same as prescribed for stanchions. Rump boards may be formed by filling spaces between cargo battens. Rump

boards in stalls or pens built alongside hatches need be carried down only to the coaming line.

(2) *Sheep, goats, and swine*. Pens for sheep, goats, and swine on all exposed decks shall be provided with rump boards of the specified size built to a height of 2 feet 6 inches.

(j)(1) *Horses and cattle*. Division boards in pens for horses and cattle shall be used to separate all stalls and pens and to close the sides thereof at the ends of rows. They shall be used in sets of four boards of 2" x 10" dressed lumber separated by 3 inch spacers, shall extend from the rump boards to the inboard stanchions, and shall be fitted into appropriate channels or slots at both ends in a manner that will permit their ready removal.

(2) *Sheep, goats, and swine*. Division boards and those forming ends of pens for sheep, goats, and swine shall be the same as prescribed for rump boards for these animals in paragraph (i) of this section.

[45 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980, and amended at 57 FR 23047, June 1, 1992]

§ 91.29 Hatches.

(a) Animals may be placed on hatches on exposed decks on an ocean vessel if the pens or stalls are securely lashed down.

(b) Animals may be placed on hatches on underdecks on an ocean vessel provided the height requirements of § 91.25 (e) and (f) are met and sufficient space shall be left clear on such hatches for passageway across ship.

(c) On all hatches on which animals are carried and under which hay and feed or animals are stowed, sufficient space shall be left clear for the proper removal and handling of such hay and feed and animal carcasses. Such hatches shall be watertight.

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§ 91.30 Defective fittings.

If previously used fittings aboard an ocean vessel are employed, any portion thereof found by the inspector to be